

CLAIMS

We claim:

1. A synthesized peptide, comprising an amino acid sequence represented by the formula Met-Ile-Phe-Val-Lys-Thr-Leu-Thr-Gly-Lys-Thr-Ile-Leu (SEQ ID No 1), or an amide, ester, or salt thereof.

2. A method for achieving an effect in a patient, comprising administering an effective amount of the peptide of claim 1 to a patient, wherein the effect is promoting union of bone tissue in fracture, promoting bone growth in spinal fusion, or promoting bone growth in therapy for osteoporosis.

3. A pharmaceutical composition for enhancing bone repair comprising a therapeutically effective amount of a peptide having an amino acid sequence represented by the formula Met-Ile-Phe-Val-Lys-Thr-Leu-Thr-Gly-Lys-Thr-Ile-Leu (SEQ ID No 1) and a biocompatible carrier.

4. The pharmaceutical composition according to claim 3, wherein the carrier is a single dose carrier.

5. The pharmaceutical composition according to claim 3, wherein the carrier is a collagen matrix.

6. A method for enhancing bone repair in a mammal, comprising the administration of a therapeutically effective amount of a peptide having an amino acid sequence represented by the formula Met-Ile-Phe-Val-Lys-Thr-Leu-Thr-Gly-Lys-Thr-Ile-Leu (SEQ ID No 1).